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(54) Title: **ESTROGEN RECEPTOR MODULATORS**

(57) Abstract: The present invention relates to compounds and derivatives thereof, their synthesis, and their use as estrogen receptor modulators. The compounds of the instant invention are ligands for estrogen receptors and as such may be useful for treatment or prevention of a variety of conditions related to estrogen functioning including: bone loss, bone fractures, osteoporosis, metastatic bone disease, Paget's disease, periodontal disease, cartilage degeneration, endometriosis, uterine fibroid disease, hot flashes, increased levels of LDL cholesterol, cardiovascular disease, impairment of cognitive functioning, cerebral degenerative disorders, restenosis, gynecomastia, vascular smooth muscle cell proliferation, obesity, incontinence, and cancer, in particular of the breast, uterus and prostate.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/28855

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07D 307/02, 333/10; A61K 31/341, 31/381

US CL : 549/76, 491, 497; 514/438, 461

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 549/76, 491, 497; 514/438, 461

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST, CAS ONLINE**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,891,683 A (USMAN et al) 06 April 1999 (06.04.1999)	1-5
A	MORIMOTO et al. CO-Transfer Carbonylation Reactions. A Catalytic Pauson-Khand-Type Reaction of Enynes with Aldehydes as a Source of Carbon Monoxide. Journal of American Chemical Society, March 2002, Vol 124, 3806-3807.	1-5



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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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